Declaration, Power Of Attorney and Petition

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WE (I) the uno	dersigned inventor(s)	, hereby declare(s) th	at:	FEB	1 2 2001	الم
My residence,	post office address a	nd citizenship are as	stated below next to m	y name,	DEMARK	r
We (I) believe	that we are (I am) th		joint (sole) inventor(s)			ter which is
MODE CONTI	ROLLER FOR SIGN	AL ACQUISITION	AND TRACKING IN	AN UL	TRA WIDE	BAND
COMMUNICA	IION SYSTEM					
he specification (	of which					
	is attached hereto.					
	was filed on Oct	tober 10, 2000	a	(Atto	rney Doc	ket 194588US-8
	Application Serial	No. <u>09/685,197</u>		-		
·	and amended on _			. •	•	
	was filed as PCT ir	nternational application	on .			
Nu	ımber			_		
on				- >		
ane	d was amended unde	r PCT Article 19				
on			(if applicable)	•		
We (I) acknown pplication as def  We (I) hereby pplication(s) for lesignated at least hecking the box	wledge the duty to ined in Section 1.56 v claim foreign price patent or inventor at one country other any foreign applica	amended by any ame disclose information of Title 37 Code of F ority benefits under r's certificate, or § 3 than the United Station for patent or inv	known to be material defeat Regulations.  35 U.S.C. § 119(a)-(d) 65(a) of any PCT In tes, listed below and beentor's certificate, or priority is claimed. Priority is claimed.	ove.  al to the  or §:  ternation  have also  PCT Int	e patentabi 365(b) of a nal applica o identified ternational	any foreign tion which I below, by application
Application	n No.	Country	Day/Month/Yo	ear	Prior Clain	•
					☐ Yes	□ No
· · · · · · · · · · · · · · · · · · ·			· · · · · · · · · · · · · · · · · · ·		□ Yes	□ No
	·				☐ Yes	□ No

 $\square$  No

☐ Yes

We (I) hereby claim the benefit und application(s) listed below.	er Title 35, Unite	d States Code,	§ 119(e) of	f any United S	tates provisional
(Application	Number)	(F	iling Date	)	
(Application	Number)	(F	iling Date	)	
We (I) hereby claim the benefit und PCT International application designa- each of the claims of this application is in the manner provided by the firs information which is material to pater filing date of the prior application and	ating the United S not disclosed in the t paragraph of 3 nability as defined	tates, listed be the prior United U.S.C. § 11 I in 37 CFR §	low and, i d States or 12, I ackn 1.56 which	insofar as the s PCT Internat lowledge the h became avail	subject matter of ional application duty to disclose able between the
Application Serial No.	Filing D	ate			ling, patented, doned)
And we (I) hereby appoint: Norman McClelland, Reg. No. 21,124; Gregory D. Kelly, Reg. No. 27,757; James D. H. T. Pous, Reg. No. 29,099; Charles L. G. Lavalleye, Reg. No. 31,451; Stephen G. Weihrouch, Reg. No. 32,829; John T. G. Lipman, Reg. No. 30,011; Carl E. S. Neifeld, Reg. No. 35,299; J. Derek M. Gadiano, Reg. No. 37,628; Jeffrey B. M. McCabe, Jr., Reg. No. 37,182; Bradley (my) attorneys, with full-powers of subsciness in the Patent Office connected this application be sent to the firm of whose Post Office Address is: Fourth We (I) declare that all statements made on information and belief are be knowledge that willful false statement under Section 1001 of Title 18 of the the validity of the application or any	J. Maier, Reg. No. amilton, Reg. No. amilton, Reg. No. 26. Baxter, Reg. No. 26. Baxter, Reg. No. 36. Baxter, Reg. No. 37. Baxter, Reg. No. 38. Baxter, Reg. No. 39. Baxter, Reg.	25,599; Arth 28,421; Eckha 395; William I 32,884; Richar No. 26,142; Ri 4,426; James J 5,270; Surinder 36,867; Willia o. 40,073; and boation, to pro ve (I) hereby r AK, McCLELI rson Davis Hig (my) own kn and further th nade are punisle and that such	ur I. Neus urd H. Kue E. Beaumo rd L. Trear chard L. C . Kulbaski r Sachar, F am T. Eno Michael R secute this equest tha LAND, M ghway, Ar owledge an at these si hable by fi	tadt, Reg. No. esters, Reg. No. 3 nor, Reg. No. 3 hor, Reg. No. 34, Reg. No. 34, Reg. No. 33, Reg. No. 33, Casey, Reg. s application at all correspondates & New Hington, Virgine true and that ements were ne or impriso	24,854; Richard 28,870; Robert 60,996; Jean-Paul 36,379; Steven P. 23, Steven A. 23; Christina M. 23; Christina M. 24,294; our and to transact all adence regarding USTADT, P.C., 22202.  24 all statements 25 made with the 26 mment, or both,
Timothy R. Miller NAME OF FIRST SOLE INVENTO	DR.	Residence: _	1444 RI Apt. 1		i Avenue N.W.
Timothy R. Miller Signature of Inventor		Citizen of: _ Post Office	United	States of Same as a	America
Feb. 7, 2001					

Richard Shaner	Residence: 15700 Wayne Avenue
NAME OF SECOND JOINT INVENTOR	Laurel, MD 20707
	Citizen of: United States of America
Signature of Inventor	Post Office Address: Same as above
	·-
Date	
	Residence:
NAME OF THIRD JOINT INVENTOR	
	·
	Citizen of:
Signature of Inventor	Post Office Address:
Date	· · · · · · · · · · · · · · · · · · ·
NAME OF FOURTH JOINT INVENTOR	Residence:
•	*
Signature of Inventor	_ Citizen of:
	Post Office Address:
Date	·
	Residence:
NAME OF FIFTH JOINT INVENTOR	
	Citizen of:
Signature of Inventor	Post Office Address:
Date	
Date	

## Beclaration, Power Of Attorney and Hetition

Page 1 of 3

WE (I) the undersigned inventor(s), hereby declare(s) that:

My residence, post office address and citizenship are as stated below next to my name,

We (I) believe that we are (I am) the original, first, and joint (sole) inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled

MODE CO	NTI	ROLLER FOR	SIGNAL	ACQUISITION	AND	TRACKING	IN	AN	ULTRA	WIDEBAND	<u> </u>
COMMUNI	CA'	rion system	1								
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		is attached he	ereto.								
		_		er 10, 2000 09/685,19			as	(A	ttorney	Docket	194588US-8)
	_					· .		٠.			
				national applicat				_			
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		d was amended									
	on				7-1	(it applica	able).	•			

- We (I) hereby state that we (I) have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.
- We (I) acknowledge the duty to disclose information known to be material to the patentability of this application as defined in Section 1.56 of Title 37 Code of Federal Regulations.
- We (I) hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed. Prior Foreign Application(s)

Application No.	Country	Day/Month/Year	Priority Claimed		
			☐ Yes	□ No	
		-	☐ Yes	□ No	
			☐ Yes	□ No	
			☐ Yes	□ No	

We (I) hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below. (Application Number) (Filing Date) (Application Number) (Filing Date) We (I) hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or § 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application. Status (pending, patented, Application Serial No. Filing Date abandoned) And we (I) hereby appoint: Norman F. Oblon, Reg. No. 24,618; Marvin J. Spivak, Reg. No. 24,913; C. Irvin McClelland, Reg. No. 21,124; Gregory J. Maier, Reg. No. 25,599; Arthur I. Neustadt, Reg. No. 24,854; Richard D. Kelly, Reg. No. 27,757; James D. Hamilton, Reg. No. 28,421; Eckhard H. Kuesters, Reg. No. 28,870; Robert T. Pous, Reg. No. 29,099; Charles L. Gholz, Reg. No. 26,395; William E. Beaumont, Reg. No. 30,996; Jean-Paul Lavalleye, Reg. No. 31,451; Stephen G. Baxter, Reg. No. 32,884; Richard L. Treanor, Reg. No. 36,379; Steven P. Weihrouch, Reg. No. 32,829; John T. Goolkasian, Reg. No. 26,142; Richard L. Chinn, Reg. No. 34,305; Steven E. Lipman, Reg. No. 30,011; Carl E. Schlier, Reg. No. 34,426; James J. Kulbaski, Reg. No. 34,648; Richard A. Neifeld, Reg. No. 35,299; J. Derek Mason, Reg. No. 35,270; Surinder Sachar, Reg. No. 34,423; Christina M. Gadiano, Reg. No. 37,628; Jeffrey B. McIntyre, Reg. No. 36,867; William T. Enos, Reg. No. 33,128; Michael E. McCabe, Jr., Reg. No. 37,182; Bradley D. Lytle, Reg. No. 40,073; and Michael R. Casey, Reg. No. 40,294; our (my) attorneys, with full powers of substitution and revocation, to prosecute this application and to transact all business in the Patent Office connected therewith; and we (I) hereby request that all correspondence regarding this application be sent to the firm of OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C., whose Post Office Address is: Fourth Floor, 1755 Jefferson Davis Highway, Arlington, Virginia 22202. We (I) declare that all statements made herein of our (my) own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon. Timothy K. Miller Residence: 1444 Rhode Island Avenue N.W. NAME OF FIRST SOLE INVENTOR Apt. 114 Washington, D.C. 20005 United States of America Citizen of: Signature of Inventor Same as above Post Office Address:

Date

Richard Shaner	Residence: 15/00 Wayne Avenue
NAME OF SECOND JOINT INVENTOR	Laurel, MD 20707
Kalen A Som	Citizen of: United States of America
Signature of Inventor	Post Office Address: Same as above
	Post Office Address:
14 Nov 2000	
Date	
NAME OF THIRD JOINT INVENTOR	Residence:
Signature of Inventor	Citizen of:
	Post Office Address:
	<del></del>
Date	
NAME OF FOURTH JOINT INVENTOR	_ Residence:
Signature of Inventor	Citizen of:
	Post Office Address:
Date	
NAME OF FIFTH JOINT INVENTOR	_ Residence:
•	
Signature of Inventor	_ Citizen of:
-	Post Office Address:
Date	